Product Evaluation

The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

For more information, contact TDI Engineering Services Program at (800) 248-6032.

Evaluation ID: GDR-113

Effective Date: November 1, 2016
Re-evaluation Date: October 2020

Product Name: Clopay Coachman and Canyon Ridge Intellicore™ Steel Sectional Garage Doors with Decorative Overlays, Impact Resistant

Manufacturer: Clopay Building Products Company
8585 Duke Blvd.
Mason, OH 45040
(513) 770-4800

Marketed Under: Clopay
Ideal
Holmes

Distributed By: Ideal Door Company
Holmes Garage Door

General Description:
The garage doors specified in this product evaluation report are sectional overhead doors constructed from galvanized steel with a baked on polyester finish. The doors may be raised panel, flat, or formed with minor ribs and may have a smooth or an embossed wood grain texture. Insulated steel sectional garage doors will have an interior skin with 2" thick, 2.4 pcf density polyurethane foam insulation between the skins.

Product Identification: The garage door will have a label affixed. The label must include the manufacturer's name, manufacturing product code, drawing reference, the allowable design pressure rating, impact rating, and TDI product evaluation report number. To minimize inventory, use the same section construction configuration across several different wind load levels for the same door model and

size. The differences in the struts, track, and hardware that allows the same section to remain the same and be upgradeable for different wind load levels. The label will list all approved variations that are applicable to the section to construct, and each design drawing will list the equivalent sections.

Limitations

- This evaluation report includes impact resistant sectional garage doors.
- Impact resistant doors may include optional glazing.
- The maximum height of each door section must not exceed 24". Refer to the design drawings for the allowable section height for a particular door.
- The doors must have a maximum allowable width of 18'-2". Refer to Table 1.
- The doors must have a maximum allowable height of 16 feet.
- Table 1 specifies the design pressure ratings.

Installation Instructions:

Design Drawings: Install the doors as specified on the design drawings. The design drawing must be provided with the door. Mark W. Westerfield, PE must seal, date, and sign each page of the design drawings. The design drawings specify the seal date of the drawing. The following information, as a minimum, is provided within boxes located on each page of the design drawings:

- manufacturing product code
- brand names and model numbers
- drawing number
- drawing revision number
- design pressure rating
- maximum door size (width and height)
- maximum section height.

Attachment of Doors to Wall Framing: Attach door track brackets either directly to the wall framing, or to Southern Yellow Pine wood jambs that are secured to the wall framing with fasteners as specified in CBPC-JFA-0001-REV02, signed and sealed on August 20, 2013, by Mark Westerfield, P.E. The allowable methods of attachment and illustrations of the allowable methods of attachment are specified on each design drawing.

Attachment of Door Components to Wood-Framed Walls Using a Wood Jamb: Attach brackets for the vertical tracks directly to wood jambs with the fasteners specified on the design drawings. Attaching wood jambs to wood-framed walls must be as specified in the Jamb Fastener Analysis Connecting Jamb to Existing Structure, document CBPC-JFA-0001-REV02, signed and sealed on August 20, 2013 by Mark Westerfield, P.E.

Attachment of Door Components to Concrete/Masonry Block Walls Using a Wood Jamb: Attach brackets for the vertical tracks directly to wood jambs with the fasteners specified on the design drawings. The attachment of the wood jambs to the concrete/masonry block walls must be as specified in the Jamb Fastener Analysis Connecting Jamb to Existing Structure, document CBPC-JFA-0001-REV02, signed and sealed on August 20, 2013 by Mark Westerfield, P.E.

Note: The manufacturer's installation instructions, the design drawings, and the Jamb Fastener Analysis Connecting Jamb to Existing Structure document must be available at the job site during installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.

Impact Resistant Doors

- **Design Drawings:** Specified in Table 1.
- **Allowable Dimensions:** Specified in Table 1.
- **Design Pressures:** Specified in Table 1.
- **Glazing:** The design drawings specify the glazing construction and dimensions.
- **Louvers:** Not permitted.

Impact Resistance:

Impact Resistant	Requirement
Yes	The door assemblies specified in Table 1 satisfy TDI's criteria for protection from windborne debris in the Inland I zone and the Seward zone. It is not necessary to provide an impact protective system. Impact resistant doors may have impact-resistant glazing as detailed on the design drawings.

Table 1 - Impact Rated Assemblies; Clopay, IDEAL and Holmes W6 Doors

Manufacturing Product Code (all brands)	Model Numbers (Clopay)	Model Numbers (IDEAL)	Model Numbers (Holmes)	Door Width (Max.)	Door Height (Max.)	Drawing Number	Design Pressure (psf)	Glass Option
DSIUO-1M479	CGUnn, CXUnn	AGUnn	SXUnn	9'-0"	16'-0"	104948-TDI Rev. 01, 08/2016 Sealed 8/12/2016	+38.0, -44.0	Yes
DSIUO-1K479	CAN2nn-XX	MWL2nn-XX	GLN2nn-XX	9'-0"	16'-0"	104948-TDI Rev. 01, 08/2016 Sealed 8/12/2016	+38.0, -44.0	Yes
DSIUO-1M479	CGUnn, CXUnn	AGUnn	SXUnn	16'-2"	16'-0"	104932-TDI Rev. 03, 08/2016 Sealed 8/12/2016	+38.0, -42.0	Yes
DSIUO-1K479	CAN2nn-XX	MWL2nn-XX	GLN2nn-XX	16'-2"	16'-0"	104932-TDI Rev. 03, 08/2016 Sealed 8/12/2016	+38.0, -42.0	Yes
DSIUO-1M479	CGUnn, CXUnn	AGUnn	SXUnn	18'-2"	16'-0"	104951-TDI Rev. 01, 08/2016 Sealed 8/12/2016	+38.0, -42.0	Yes
DSIUO-1K479	CAN2nn-XX	MWL2nn-XX	GLN2nn-XX	18'-2"	16'-0"	104951-TDI Rev. 01, 08/2016 Sealed 8/12/2016	+38.0, -42.0	Yes